

REMARKS/ARGUMENTS

Applicant has reviewed and considered the Office Action dated January 7, 2005 and the cited references therein. In response thereto, claims 6, 7, and 10 are canceled without prejudice or disclaimer; claims 1, 3, 4, 8, and 9 are amended; and new claims 11-19 are added. As a result, claims 1-5, 8-9, and 11-19 are pending in the present application.

Rejection Under 35 U.S.C. § 102

Claims 1 and 3 were rejected under 35 U.S.C. § 102(e) as being anticipated by Rose (U.S. Patent No. 6,617,725). Applicant respectfully traverses the rejection for at least the following reasons.

Claim 1 now recites a ring type starter/generator, comprising: a ring shaped stator having a stator axis; a ring shaped rotor having a rotor axis; and an engine or water pump; wherein said stator is mounted on an engine body or a housing of a flywheel of said engine or on a housing of said water pump, said rotor is mounted on said flywheel of said engine or on a impeller of said water pump so that the stator axis is aligned with the rotor axis, said stator axially faces said rotor in the direction of the stator axis and the rotor axis, and said starter/generator further comprises a set of large current-conversion controller with low power consumption, which includes a control circuitry and a MOSFET grid-drive circuitry.

Rose discloses that a rotor is surrounded by, and thus radially faces, the stator. Rose does not disclose or teach that a stator axially faces a rotor in the direction of their axes, e.g. a side-by-side alignment of the stator with the rotor and thus results in a starter/generator of side ring type. Nowhere in Rose does it disclose or teach or provide any motivation of such a starter/generator of side ring type. Therefore, Applicant respectfully submits that claim 1 and its dependent claims patentably distinguish over Rose.

Allowable Subject Matter

Claims 2, 4-10 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

New claim 11 correspond to the original claim 2 in a rewritten form. Thus, claim 2 is allowable. New claims 12-19 correspond to current claims 3-4, original claims 5-7, and current claims 8-9, respectively, thus are allowable.

Conclusion:

This application now stands in allowable form and reconsideration and allowance is respectfully requested. If a telephone conference would be helpful in resolving any remaining issues, please contact the undersigned at 612-752-7367.

Respectfully submitted,

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